



SEQUENCE LISTING

#4

<110> Burton, Louis E.
Schmelzer, Charles H.
Beck, Joanne T.

<120> PURIFICATION OF NGF

<130> GENENT.037C3

<140> 10/072,681

<141> 2002-02-08

<150> 60/030838

<151> 1996-11-15

<150> 60/047855

<151> 1997-05-29

<150> 08/970865

<151> 1997-11-14

<150> 09/363573

<151> 1999-07-29

<150> 09/675,503

<151> 2000-09-29

<160> 6

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 242

<212> PRT

<213> Homo sapien

<400> 1

Pro Met Ser Met Leu Phe Tyr Thr Leu Ile Thr Ala Phe Leu Ile Gly
1 5 10 15
Ile Gln Ala Glu Pro His Ser Glu Ser Asn Val Pro Ala Gly His Thr
20 25 30
Ile Pro Gln Val His Trp Thr Lys Leu Gln His Ser Leu Asp Thr Ala
35 40 45
Leu Arg Arg Ala Arg Ser Ala Pro Ala Ala Ala Ile Ala Ala Arg Val
50 55 60
Ala Gly Gln Thr Arg Asn Ile Thr Val Asp Pro Arg Leu Phe Lys Lys
65 70 75 80
Arg Arg Leu Arg Ser Pro Arg Val Leu Phe Ser Thr Gln Pro Pro Arg
85 90 95
Glu Ala Ala Asp Thr Gln Asp Leu Asp Phe Glu Val Gly Gly Ala Ala
100 105 110
Pro Phe Asn Arg Thr His Arg Ser Lys Arg Ser Ser Ser His Pro Ile
115 120 125
Phe His Arg Gly Glu Phe Ser Val Cys Asp Ser Val Ser Val Trp Val

130		135		140	
Gly Asp Lys Thr Thr	Ala Thr Asp Ile Lys	Gly Lys Glu Val Met Val			
145	150	155	160		
Leu Gly Glu Val Asn	Ile Asn Asn Ser Val	Phe Lys Gln Tyr Phe Phe			
	165	170	175		
Glu Thr Lys Cys Arg	Asp Pro Asn Pro Val	Asp Ser Gly Cys Arg Gly			
	180	185	190		
Ile Asp Ser Lys His	Trp Asn Ser Tyr Cys	Thr Thr Thr His Thr Phe			
	195	200	205		
Val Lys Ala Leu Thr	Met Asp Gly Lys Gln	Ala Ala Trp Arg Phe Ile			
	210	215	220		
Arg Ile Asp Thr Ala	Cys Val Cys Val Leu	Ser Arg Lys Ala Val Arg			
225	230	235	240		
Arg Ala					

<210> 2
 <211> 121
 <212> PRT
 <213> Homo sapien

Al.

<400> 2	
Pro Ser Ser Ser His	Pro Ile Phe His Arg Gly Glu Phe Ser Val Cys
1	5 10 15
Asp Ser Val Ser Val	Trp Val Gly Asp Lys Thr Thr Ala Thr Asp Ile
	20 25 30
Lys Gly Lys Glu Val	Met Val Leu Gly Glu Val Asn Ile Asn Asn Ser
	35 40 45
Val Phe Arg Gln Tyr	Phe Phe Glu Thr Lys Cys Arg Asp Pro Asn Pro
	50 55 60
Val Asp Ser Gly Cys	Arg Gly Ile Asp Ser Lys His Trp Asn Ser Tyr
65	70 75 80
Cys Thr Thr Thr His	Thr Phe Val Lys Ala Leu Thr Met Asp Gly Lys
	85 90 95
Gln Ala Ala Trp Arg	Phe Ile Arg Ile Asp Thr Ala Cys Val Cys Val
	100 105 110
Leu Ser Arg Lys Ala	Val Arg Arg Ala
	115 120

<210> 3
 <211> 121
 <212> PRT
 <213> mouse

<400> 3	
Pro Ser Ser Thr His	Pro Val Phe His Met Gly Glu Phe Ser Val Cys
1	5 10 15
Asp Ser Val Ser Val	Trp Val Gly Asp Lys Thr Thr Ala Thr Asp Ile
	20 25 30
Lys Gly Lys Glu Val	Thr Val Leu Ala Glu Val Asn Ile Asn Asn Ser
	35 40 45
Val Phe Arg Gln Tyr	Phe Phe Glu Thr Lys Cys Arg Ala Ser Asn Pro
	50 55 60
Val Glu Ser Gly Cys	Arg Gly Ile Asp Ser Lys His Trp Asn Ser Tyr
65	70 75 80

Cys	Thr	Thr	Thr	His	Thr	Phe	Val	Lys	Ala	Leu	Thr	Thr	Asp	Glu	Lys
				85					90					95	
Gln	Ala	Ala	Trp	Arg	Phe	Ile	Arg	Ile	Asp	Thr	Ala	Cys	Val	Cys	Val
			100					105					110		
Leu	Ser	Arg	Lys	Ala	Thr	Arg	Arg	Gly							
			115					120							

<210> 4
 <211> 119
 <212> PRT
 <213> Homo sapien

Pro	His	Ser	Asp	Pro	Ala	Arg	Arg	Gly	Glu	Leu	Ser	Val	Cys	Asp	Ser
1				5					10					15	
Ile	Ser	Glu	Trp	Val	Thr	Ala	Ala	Asp	Lys	Lys	Thr	Ala	Val	Asp	Met
			20					25					30		
Ser	Gly	Gly	Thr	Val	Thr	Val	Leu	Glu	Lys	Val	Pro	Val	Ser	Lys	Gly
			35				40					45			
Gln	Leu	Lys	Gln	Tyr	Phe	Tyr	Glu	Thr	Lys	Cys	Asn	Pro	Met	Gly	Tyr
	50					55					60				
Thr	Lys	Glu	Gly	Cys	Arg	Gly	Ile	Asp	Lys	Arg	His	Trp	Asn	Ser	Gln
65					70				75						80
Cys	Arg	Thr	Thr	Gln	Ser	Tyr	Val	Arg	Ala	Leu	Thr	Met	Asp	Ser	Lys
				85					90					95	
Lys	Arg	Ile	Gly	Trp	Arg	Phe	Ile	Arg	Ile	Asp	Thr	Ser	Cys	Val	Thr
			100					105						110	
Leu	Thr	Ile	Lys	Arg	Gly	Arg									
			115												

<210> 5
 <211> 120
 <212> PRT
 <213> Homo sapien

Pro	Tyr	Ala	Glu	His	Lys	Ser	His	Arg	Gly	Glu	Tyr	Ser	Val	Cys	Asp
1				5					10					15	
Ser	Glu	Ser	Leu	Trp	Val	Thr	Asp	Lys	Ser	Ser	Ala	Ile	Asp	Ile	Arg
			20					25					30		
Gly	His	Gln	Val	Thr	Val	Leu	Gly	Glu	Ile	Lys	Thr	Gly	Asn	Ser	Pro
			35				40					45			
Val	Lys	Gln	Tyr	Phe	Tyr	Glu	Thr	Arg	Cys	Lys	Glu	Ala	Arg	Pro	Val
	50					55					60				
Lys	Asn	Gly	Cys	Arg	Gly	Ile	Asp	Asp	Lys	His	Trp	Asn	Ser	Gln	Cys
65					70				75						80
Lys	Thr	Ser	Gln	Thr	Tyr	Val	Arg	Ala	Leu	Thr	Ser	Glu	Asn	Asn	Lys
			85						90					95	
Leu	Val	Gly	Trp	Arg	Trp	Ile	Arg	Ile	Asp	Thr	Ser	Cys	Val	Ser	Ala
			100					105						110	
Leu	Ser	Arg	Lys	Ile	Gly	Arg	Thr								
			115				120								

<210> 6

<211> 130
 <212> PRT
 <213> Homo sapien

<400> 6

Gly Val Ser Glu Thr Ala Pro Ala Ser Arg Arg Gly Glu Leu Ala Val
 1 5 10 15
 Cys Asp Ala Val Ser Gly Trp Val Thr Asp Arg Arg Thr Ala Val Asp
 20 25 30
 Leu Arg Gly Arg Glu Val Glu Val Leu Gly Glu Val Pro Ala Ala Gly
 35 40 45
 Gly Ser Pro Leu Arg Gln Tyr Phe Phe Glu Thr Arg Cys Lys Ala Asp
 50 55 60
 Asn Ala Glu Glu Gly Gly Pro Gly Ala Gly Gly Gly Cys Arg Gly
 65 70 75 80
 Val Asp Arg Arg His Trp Val Ser Glu Cys Lys Ala Lys Gln Ser Tyr
 85 90 95
 Val Arg Ala Leu Thr Ala His Ala Gln Gly Arg Val Gly Trp Arg Trp
 100 105 110
 Ile Arg Ile Asp Thr Ala Cys Val Cys Thr Leu Leu Ser Arg Thr Gly
 115 120 125
 Arg Ala
 130